

B.S. IN PHYSICS MATHEMATICS CONCENTRATION

Fall 1			Spring 1		
ENG 11011	College Writing I	3	PHY 23101	Gen. Univ. Phys. I	5
MATH 12002	Calculus I*	5	MATH 12003	Calculus II	5
CHEM 10060	Gen. Chemistry I	4	CHEM 10061	Gen. Chemistry II	4
CHEM 10062	Chemistry Lab I	1	CHEM 10063	Chemistry Lab II	1
PHY 12000	Intro. Seminar	1			<u>15</u>
US 10097	Dest. Kent State: FYE	1			
		<u>15</u>			
Fall 2			Spring 2		
MATH 32051	Math. Phys. Sci. I	4	MATH 32052	Math. Phys. Sci. II	4
PHY 23102	Gen. Univ. Phys. II	5	ENG 21011	College Writing II	3
CS 10051	Intro. Comp. Sci.	4	PHY 36001	Intro. Modern Physics	3
	General Elective**	3		General Elective**	3
		<u>16</u>		Humanities or Fine Arts	3
					<u>16</u>
Fall 3			Spring 3		
PHY 35101	Class. Mechanics	4	PHY 30020	Inter. Physics Lab	2
PHY 36002	App. Modern Physics	3		MATH Elective-UD	3
PHY 45201	Electromagnetic Theory	4		MATH Elective-UD	3
	Foreign Lang. I***	4		Foreign Lang. II***	4
		<u>15</u>		Social Science 1	3
					<u>15</u>
Fall 4			Spring 4		
PHY 40092	Physics Internship	2	PHY 40020	Adv. Physics Lab	2
MATH 41001	Mod. Algebra I**	3		Physics Elective-UD	3
	Physics Elective	4		Social Science 2	3
	Math Elective-UD	3		Fine Arts	3
	Humanities	3		Additional LER	3
		<u>15</u>			<u>14</u>

*MATH 11010 (Algebra for Calculus) and MATH 11022 (Trigonometry) are prerequisite courses, which the student with sufficient background should bypass.

**MATH 42001 (Introduction to Analysis I) may substitute for MATH 41001 (Modern Algebra I). MATH 41001 and 42001 both require MATH 21001 (Linear Algebra with Applications) and MATH 22005 (Analytic Geometry and Calculus III) as prerequisites. It is recommended that MATH 22005 be taken as the General Elective in Fall 2 and that MATH 21001 be taken as the General Elective in Spring 2.

***Elementary I and II Arabic, Chinese, and Japanese each require 5 credit hours. Choosing these courses to fulfill your language requirements will reduce your General Electives by 2 hrs.

AY09-10